

# VIDEO OUTPUT PENTODE

# EL82I

*Video output pentode having a high mutual conductance, particularly suitable for use in high definition television equipment.*

## HEATER

$V_h$	6.3	V
$I_h$	750	mA

## CAPACITANCES (measured without an external shield)

$C_{in}$	14	pF
$C_{out}$	5.0	pF
$C_{a-g1}$	< 250	mpF
$C_{h-k}$	7.0	pF

## CHARACTERISTICS

$V_a$	250	250	V
$V_{g3}$	0	0	V
$V_{g2}$	200	250	V
$V_{g1}$	-2.5	-4.5	V
$I_a$	40	40	mA
$I_{g2}$	6.5	6.0	mA
$g_m$	13	11	mA/V
$r_a$	60	50	k $\Omega$
$\mu_{g1-g2}$	26	26	
* $T_{bulb}$	203	205	°C

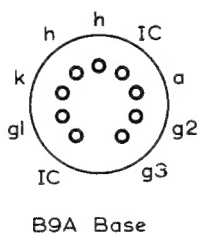
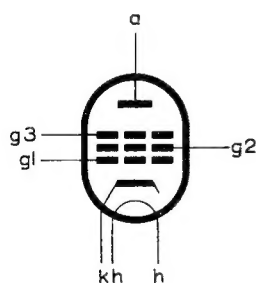
\*At 20°C ambient, in free air at normal atmospheric pressure and without external screening can.

## LIMITING VALUES

$V_{a(b)} \text{ max.}$	550	V
$V_a \text{ max.}$	275	V
$p_a \text{ max.}$	12	W
$V_{g2(b)} \text{ max.}$	550	V
$V_{g2} \text{ max.}$	275	V
$p_{g2} \text{ max.}$	2.5	W
$I_k \text{ max.}$	60	mA
$R_{g1-k} \text{ max. (cathode bias)}$	220	k $\Omega$
$R_{g1-k} \text{ max. (fixed bias)}$	100	k $\Omega$
$V_{h-k} \text{ max.}$	90	V
$T_{bulb} \text{ max.}$	250	°C

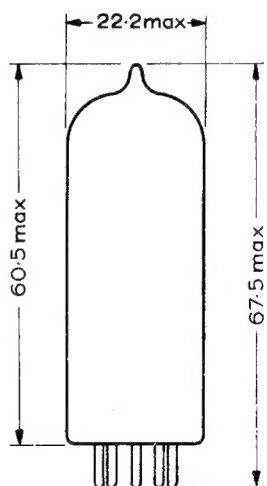
# EL821

## VIDEO OUTPUT PENTODE



B9A Base

All dimensions in mm



6396